



Compact P Rigid deep bed air filter

Durable and economical, the Compact P filter range is ideal for most HVAC applications. It is also suitable for use in industrial applications as a prefilter in high efficiency air filtration applications.

A significant benefit of all-polypropylene construction is the anti-microbial characteristics of the filter - the natural properties of polypropylene mean that no extra anti-microbial coatings are required. This makes the Compact P filters an ideal choice for food preparation areas and processing plants.

Description

The Compact P is a disposable rigid bag filter, assembled in 'vee-form' sections, that uses 100% polypropylene as the filtering media. This media is manufactured using a specialised melt blown process, which results in a graded density structure. Coarse fibres upstream and fine fibres downstream maximises dust capture characteristics.

Extruded polypropylene separators are then added to the pleated media in order to achieve a uniform 'V' pleat configuration, ensuring low initial resistance and a long filter life.

Efficiencies

Compact P air filters are available in ratings F6 (60/65%), F7 (80/85%), F8 (90/95%) and F9 (90%+). The media is colour coded for easy identification of efficiency.

Durability

The final product is extremely durable with high compressive strength in the airflow direction. This durability also ensures that there is no damage to the pleats during transportation and storage.

In addition, the Compact P rigid deep bed filter is environmentally friendly, being made of 100% polypropylene.

Compact P - Performance data

Part No.	Dimensions (mm)	Rating	Flowrate (l/s)	Initial resistance	Rec. final resistance	ASHRAE 52.1 equiv.	Dust holding capacity (g)
VPMP65610610300	610 x 610 x 292	F6	944	58 Pa	450 Pa	60-65%	681
VPMP65610305300	610 x 305 x 292	F6	472				
VPMP85610610300	610 x 610 x 292	F7	944	80 Pa	450 Pa	80-85%	300
VPMP85610305300	610 x 305 x 292	F7	472				
VPMP95610610300	610 x 610 x 292	F8	944	100 Pa	450 Pa	90-95%	381
VPMP95610305300	610 x 305 x 292	F8	472				
VPMP100610610300	610 x 610 x 292	F9	944	100 Pa	450 Pa	95%+	284
VPMP100610305300	610 x 305 x 292	F9	472				

Performance testing

All filters tested to AS1324.2.4-5: Air Filter Performance.

Test laboratory is accredited by the National Association of Testing Authorities, Australia. Accreditation number 13213.

Performance tests are conducted at least once every 5 years within a controlled environment in accordance with NATA and Australian Standards requirements.

To request a current test report contact the sales team at your nearest AES Environmental branch.

Installation

Compact P filters are easily made up into banks using standard 610 x 610 and 305 x 610 module sizes. To prevent air by-pass, a suitable sealant should be used between mounting frames and duct walls. Where the bank height exceeds 2 metres it is recommended that continuous stiffening bars be installed vertically between alternate rows of frames.

How to Specify

Air filters shall be Email Air Handling Compact-P, disposable rigid deep-bed type, with all-polypropylene filter construction. Polypropylene media is to be held in place by extruded separators and be colour coded for efficiency identification.

The supplier upon request must submit a current Test Report to verify the performance rating.

Filters will be of standard sizes of either 610 x 610 x 292 mm deep, or 305 x 610 x 292 mm deep with a flow rate of 944l/s or 472 l/s.

Mounting frames will be manufactured from galvanised steel and be complete with gasket seals and spring steel retaining clips.

Addresses

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